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L6: Entry 1 of 38

File: USPT

May 9, 2000

US-PAT-NO: 6060590

DOCUMENT-IDENTIFIER: US 6060590 A

TITLE: Chitinase related proteins and methods of use

DATE-ISSUED: May 9, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bryant; Peter J.	Newport Beach	CA	N/A	N/A
Kawamura; Kazuo	Kochi	N/A	N/A	JPX

US-CL-CURRENT: 530/399; 530/350

## ABSTRACT:

A family of chitinase related proteins (CHRP) that promote cell growth and may be useful in wound healing and other indications is provided. In a particular embodiment, imaginal disc growth factor 4 (IDGF4) protein and polynucleotides encoding the protein are provided. The IDGF polypeptides of the family promote cell growth when added exogenously to imaginal disc cell lines. Methods of use for members of the CHRP family, including IDGF1, IDGF2, IDGF3, IDGF4, DS47, gp38k, gp-39, Brp-39, YKL39, YKL40, POSP and homologs or orthologs thereof, are included for accelerating wound healing and tissue growth, modulating angiogenesis and ameliorating cell proliferative disorders in human patients.

1 Claims, 7 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWMC	Draw Desc	Image
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☐ 2. Document ID: US 6051603 A

L6: Entry 2 of 38

File: USPT

Apr 18, 2000

US-PAT-NO: 6051603  
DOCUMENT-IDENTIFIER: US 6051603 A

TITLE: Vanadium (IV) metallocene complexes having sperm motility inhibiting activity

DATE-ISSUED: April 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
D'Cruz; Osmond	Maplewood	MN	N/A	N/A
Ghosh; Phalguni	St. Anthony	MN	N/A	N/A
Uckun; Fatih M.	White Bear Lake	MN	N/A	N/A

US-CL-CURRENT: 514/492

ABSTRACT:

Novel spermicidal compounds which are organometallic cyclopentadienyl metal complexes, particularly vanadium IV complexes, are described including corresponding contraceptive and therapeutic compositions and method for providing contraception and selective killing of testicular germ cells. Included among the vanadium complexes are vanadocene dichloride, vanadocene dibromide, bis (methyl cyclopentadienyl) vanadium dichloride, vanadocene diiodide, vanadocene di-pseudohalides, and others. Most active found was vanadocene diselenocyanate.

8 Claims, 16 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 6022951 A

L6: Entry 3 of 38

File: USPT

Feb 8, 2000

US-PAT-NO: 6022951  
DOCUMENT-IDENTIFIER: US 6022951 A

TITLE: Streptavidin mutants

DATE-ISSUED: February 8, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sano; Takeshi	Boston	MA	02114	N/A
Cantor; Charles R.	Boston	MA	02215	N/A
Vajda; Sandor	Medfield	MA	02050	N/A
Reznik; Gabriel O.	Boston	MA	02215	N/A
Smith; Cassandra L.	Boston	MA	02215	N/A
Pandori; Mark W.	San Diego	CA	92121	N/A

US-CL-CURRENT: 530/350; 530/402, 530/808, 530/810

ABSTRACT:

The present invention relates to streptavidin proteins and peptides having a altered physical properties such as an increased stability or increased or decreased affinity for binding biotin. The invention also relates to methods for the detection, identification, separation and isolation of targets using streptavidin proteins or peptides. Streptavidin with increased or reduced affinity allows for the use of the streptavidin-biotin coupling systems for detection and isolation systems wherein it is necessary to remove of one or the other of the binding partners. Such systems are useful for the purification of functional proteins and viable cells. The invention also relates to nucleic acids which encode these streptavidin proteins and peptides and to recombinant cells such as bacteria, yeast and mammalian cells which contain these nucleic acids.

31 Claims, 27 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGURE	Draw Desc	Image
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☐ 4. Document ID: US 6020145 A

L6: Entry 4 of 38

File: USPT

Feb 1, 2000

US-PAT-NO: 6020145  
DOCUMENT-IDENTIFIER: US 6020145 A

TITLE: Methods for determining the presence of carcinoma using the antigen binding region of monoclonal antibody BR96

DATE-ISSUED: February 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hellstrom; Ingegerd	Seattle	WA	N/A	N/A
Hellstrom; Karl Erik	Seattle	WA	N/A	N/A
Bruce; Kim Folger	Seattle	WA	N/A	N/A
Schreiber; George J.	Seattle	WA	N/A	N/A

US-CL-CURRENT: 435/7.23; 424/1.49, 424/131.1, 424/9.6, 435/7.1, 435/7.92, 435/7.95, 530/387.2, 530/388.1

ABSTRACT:

The present invention relates to novel antibodies, antibody fragments and antibody conjugates and single-chain immunotoxins reactive with human carcinoma cells. More particularly, the antibodies, conjugates and single-chain immunotoxins of the invention include: a murine monoclonal antibody, BR96; a human/murine chimeric antibody, ChiBR96; a F(ab').sub.2 fragment of BR96; ChiBR96-PE, ChiBR96-LysPE40, ChiBR96 F(ab').sub.2 -LysPE40 and ChiBR96 Fab'-LysPE40 conjugates and recombinant BR96 sFv-PE40 immunotoxin. These molecules are reactive with a cell membrane antigen on the surface of human carcinomas. The BR96 antibody and its functional equivalents, displays a high degree of selectivity for carcinoma cells and possess the ability to mediate antibody-dependent cellular cytotoxicity and complement-dependent cytotoxicity activity. In addition, the antibodies of the invention internalize within the carcinoma cells to which they bind and are therefore particularly useful for therapeutic applications, for example, as the antibody component of antibody-drug or antibody-toxin conjugates. The antibodies also have a unique feature in that they are cytotoxic when used in the unmodified form, at specified concentrations.

4 Claims, 76 Drawing figures Exemplary Claim Number: 1,3  
Number of Drawing Sheets: 74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	EXAM	Draw Desc	Image
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5. Document ID: US 6015694 A

L6: Entry 5 of 38

File: USPT

Jan 18, 2000

US-PAT-NO: 6015694  
DOCUMENT-IDENTIFIER: US 6015694 A

TITLE: Method for stimulating an immune response utilizing recombinant alphavirus particles

DATE-ISSUED: January 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA	N/A	N/A
Polo; John M.	San Diego	CA	N/A	N/A
Chang; Steven M.W.	San Diego	CA	N/A	N/A
Jolly; Douglas J.	Leucadia	CA	N/A	N/A

US-CL-CURRENT: 435/69.3; 424/199.1, 424/204.1, 424/228.1, 424/234.1, 424/265.1, 424/274.1, 424/277.1, 536/23.5, 536/23.7, 536/23.72

## ABSTRACT:

The present invention provides compositions and methods for utilizing recombinant alphavirus vectors. Also disclosed are compositions and methods for making and utilizing eukaryotic layered vector initiation systems.

11 Claims, 35 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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 6. Document ID: US 6015686 A

L6: Entry 6 of 38

File: USPT

Jan 18, 2000

US-PAT-NO: 6015686  
DOCUMENT-IDENTIFIER: US 6015686 A

TITLE: Eukaryotic layered vector initiation systems

DATE-ISSUED: January 18, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dubensky, Jr.; Thomas W.	Rancho Sante Fe	CA	N/A	N/A
Polo; John M.	San Diego	CA	N/A	N/A
Jolly; Douglas J.	Leucadia	CA	N/A	N/A
Driver; David A.	San Diego	CA	N/A	N/A

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/410, 435/455, 435/456, 536/23.5, 536/23.72, 536/24.1

## ABSTRACT:

The present invention provides compositions and methods for utilizing recombinant alphavirus vectors. Also disclosed are compositions and methods for making and utilizing eukaryotic layered vector initiation systems.

20 Claims, 37 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 5985620 A

L6: Entry 7 of 38

File: USPT

Nov 16, 1999

US-PAT-NO: 5985620

DOCUMENT-IDENTIFIER: US 5985620 A

TITLE: TNF-.alpha. Ribozymes

DATE-ISSUED: November 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sioud; Mouldy	Oslo	N/A	N/A	NOX

US-CL-CURRENT: 435/91.31; 435/243, 435/320.1, 435/325, 435/440, 435/455, 435/471, 435/6, 435/91.1, 435/91.3, 435/91.33, 514/44, 536/23.1, 536/23.2, 536/24.5

## ABSTRACT:

This invention describes compounds active against TNF-.alpha. mRNA. It further describes RNA molecules capable of conferring stability to RNA in vivo through an endogenous ribozyme binding protein(s). Possible mRNA molecules to be stabilized include ribozymes, antisense molecules and mRNA encoding polypeptides useful for protein production. The ribozymes and antisense molecules described herein are useful in mammals and plants, particularly suited for viral diseases. Methods of production and methods of use are also described.

24 Claims, 47 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 30

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 5980896 A

L6: Entry 8 of 38

File: USPT

Nov 9, 1999

US-PAT-NO: 5980896

DOCUMENT-IDENTIFIER: US 5980896 A

TITLE: Antibodies reactive with human carcinomas

DATE-ISSUED: November 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hellstrom; Ingegerd	Seattle	WA	N/A	N/A
Hellstrom; Karl Erik	Seattle	WA	N/A	N/A
Bruce; Kim Folger	Seattle	WA	N/A	N/A
Schreiber; George J.	Redmond	WA	N/A	N/A
Siegall; Clay	Edmonds	WA	N/A	N/A
McAndrew; Stephen	Newtown	PA	N/A	N/A

US-CL-CURRENT: 424/183.1, 424/134.1, 424/135.1, 424/136.1, 424/138.1,  
424/141.1, 424/155.1, 424/178.1, 424/181.1, 530/387.3, 530/387.5, 530/387.7,  
530/391.7

## ABSTRACT:

The present invention relates to novel antibodies, antibody fragments and antibody conjugates and single-chain immunotoxins reactive with human carcinoma cells. More particularly, the antibodies, conjugates and single-chain immunotoxins of the invention include: a murine monoclonal antibody, BR96; a human/murine chimeric antibody, ChiBR96; a F(ab').sub.2 fragment of BR96; ChiBR96-PE, ChiBR96-LysPE40, ChiBR96 F(ab').sub.2 -LysPE40 and ChiBR96 Fab'-LysPE40 conjugates and recombinant BR96 sFv-PE40 immunotoxin. These molecules are reactive with a cell membrane antigen on the surface of human carcinomas. The BR96 antibody and its functional equivalents, displays a high degree of selectivity for carcinoma cells and possess the ability to mediate antibody-dependent cellular cytotoxicity and complement-dependent cytotoxicity activity. In addition, the antibodies of the invention internalize within the carcinoma cells to which they bind and are therefore particularly useful for therapeutic applications, for example, as the antibody component of antibody-drug or antibody toxin conjugates. The antibodies also have a unique feature in that they are cytotoxic when used in the unmodified form, at specified concentrations.

35 Claims, 76 Drawing figures Exemplary Claim Number: 1,16,34  
Number of Drawing Sheets: 74

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FORM	Draw Desc	Image
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9. Document ID: US 5939265 A

L6: Entry 9 of 38

File: USPT

Aug 17, 1999

US-PAT-NO: 5939265  
DOCUMENT-IDENTIFIER: US 5939265 A

TITLE: Reagents and methods useful for detecting diseases of the lung

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cohen; Maurice	Highland Park	IL	N/A	N/A
Friedman; Paula N.	Deerfield	IL	N/A	N/A
Gordon; Julian	Lake Bluff	IL	N/A	N/A
Hodges; Steven C.	Buffalo Grove	IL	N/A	N/A
Klass; Michael R.	Libertyville	IL	N/A	N/A
Kratochvil; Jon D.	Kenosha	WI	N/A	N/A
Roberts-Rapp; Lisa	Gurnee	IL	N/A	N/A
Russell; John C.	Kenosha	WI	N/A	N/A
Stroupe; Steven D.	Libertyville	IL	N/A	N/A

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 536/23.1, 536/23.5

ABSTRACT:

A set of contiguous and partially overlapping RNA sequences and polypeptides encoded thereby, designated as LU103 and transcribed from lung tissue is described. A fully sequenced clone representing the longest continuous sequence of LU103 is also disclosed. These sequences are useful for detecting, diagnosing, staging, monitoring, prognosticating, preventing or treating, or determining the predisposition of an individual to diseases and conditions of the lung such as lung cancer.

21 Claims, 6 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KOMC	Draw Desc	Image
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10. Document ID: US 5919702 A

L6: Entry 10 of 38

File: USPT

Jul 6, 1999

US-PAT-NO: 5919702

DOCUMENT-IDENTIFIER: US 5919702 A

TITLE: Production of cartilage tissue using cells isolated from Wharton's jelly

DATE-ISSUED: July 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Purchio; Anthony F.	La Jolla	CA	N/A	N/A
Naughton; Brian A.	El Cajon	CA	N/A	N/A
San Roman; Julia	San Diego	CA	N/A	N/A

US-CL-CURRENT: 435/378; 424/93.1, 435/325, 435/366, 435/377

## ABSTRACT:

The invention relates to the isolation and use of pre-chondrocytes from the umbilical cord, specifically from Wharton's jelly, that give rise to chondrocytes which produce cartilage. The isolated pre-chondrocytes, or the chondrocytes to which they give rise, can be mitotically expanded in culture and used in the production of new cartilage tissue for therapeutic use. "Banks" of pre-chondrocytes or chondrocytes can be stored frozen, and thawed and used to produce new cartilage tissue as needed.

6 Claims, 15 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc	Image
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☐ 11. Document ID: US 5882864 A

L6: Entry 11 of 38

File: USPT

Mar 16, 1999

US-PAT-NO: 5882864  
DOCUMENT-IDENTIFIER: US 5882864 A

TITLE: Biomarkers and targets for diagnosis, prognosis and management of prostate disease

DATE-ISSUED: March 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
An; Gang	Oklahoma City	OK	N/A	N/A
O'Hara; S. Mark	Oklahoma City	OK	N/A	N/A
Ralph; David	Edmond	OK	N/A	N/A
Veltri; Robert	Oklahoma City	OK	N/A	N/A

US-CL-CURRENT: 435/6; 435/91.2, 435/91.5, 435/91.51, 536/23.5, 536/24.31, 536/24.33

ABSTRACT:

Disclosed are diagnostic techniques for the detection of human prostate cancer. Genetic probes and methods useful in monitoring the progression and diagnosis of prostate cancer are described. The invention relates particularly to probes and methods for evaluating the presence of RNA species that are differentially expressed in prostate cancer compared to normal human prostate or benign prostatic hyperplasia.

64 Claims, 16 Drawing figures Exemplary Claim Number: 1  
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RMIC	Draw Desc	Image
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☐ 12. Document ID: US 5879898 A

L6: Entry 12 of 38

File: USPT

Mar 9, 1999